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What is claimed is:

1	1.	A service reser	vation syst	em adapted	to accept	from users
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- 2 requests for reservations for utilizing services supplied by
- 3 using resources, comprising:
- 4 a reservation condition management element adapted to
- 5 manage the accepted reservation of services as reservation
- 6 conditions;
- 7 a first acceptance element adapted to accept service
- 8 booking requests from users;
- 9 an importance degree determining element adapted to
- 10 determine in accordance with preset specifications a degree
- 11 of importance of the service booking requests accepted by the
- 12 first acceptance element; and

a reservation taking element adapted, when a load level,

- 14 which is determined depending upon the reservation condition
- 15 managed by the reservation condition management element, of
- 16 resources used for supplying object services relative to the
- 17 service booking requests accepted by the first acceptance
- 18 element is higher than a predetermined level, to deny the
- 19 acceptance of the service booking requests if the degree of
- 20 importance of the service booking requests determined by the
- 21 importance degree determining element is lower than a
- 22 predetermined importance degree determined by a predetermined
- 23 standard, and to permit the acceptance of the service booking

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- 24 requests if th degree of importance of the service booking
- 25 requests determined by the importance degree determining
- 26 element is not lower than the predetermined importance degree.
 - 1 2. A service reservation system according to claim 1, wherein
- 2 said predetermined standard is a standard at which the
- 3 predetermined importance degree increases in proportion to the
- 4 load level of resources in a period of time of execution of
- 5 object service relative to the reservation booking request.
- 1 3. A service reservation system adapted to accept from users
 2 requests for reservations for utilizing services supplied by
 3 using resources, comprising:
 - a reservation condition management element adapted to manage accepted reservations of services as reservation condition;
- a first acceptance element adapted to accept service booking requests from users.
- a substitute reservation plan preparation element
 adapted to prepare at least one substitute reservation plan
 which is obtained by at least partially altering the contents
 of reservation in the reservation booking requests accepted
 by the first acceptance element, in such a manner that a general
 resources utilization efficiency increases in accordance with
 the contents of the reservation and a load level of resources

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16	used	for	supplying	of	the	object	services	relative	to	the
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- 17 reservation booking requests, said load level being determined
- 18 by the reservation condition managed by the reservation
- 19 condition management element;
- 20 a substitute reservation plan presentation element
- 21 adapted to present said at least one substitute reservation
- 22 plan which is prepared by the substitute reservation plan
- 23 preparation element, to the users;
- 24 a second acceptance element adapted to accept the user's
- 25 selection of said at least one substitute reservation plan;
- 26 and
- 27 a reservation element adapted to accept as reservation
- 28 the substitute reservation plan whose selection is accepted
- 29 by the second acceptance element.
 - 4. A service reservation system according to claim 1, further 1
 - 2 comprising:
- 3 a substitute reservation plan preparing element adapted
- 4 to prepare, when the acceptance of the reservation in the
- 5 reservation booking request is denied by the reservation taking
- 6 element, at least one substitute reservation plan which is
- obtained by at least partially altering the contents of 7
- 8 reservation in the reservation booking requests accepted by
- 9 the first acceptance element, in such a manner that a general
- 10 resource utilization efficiency increases in accordance with

- 11 the contents of the reservation and a load level of resources
- 12 used for supplying of the object services relative to the
- 13 reservation booking request, said load level being determined
- 14 by the reservation condition managed by the reservation
- 15 condition management element;
- 16 a substitute reservation plan presentation element
- 17 adapted to present said at least one substitute reservation
- 18 plan which is prepared by the substitute reservation plan
- 19 preparation element, to the users; and
- a second acceptance element adapted to accept the user's
- 21 selection of the substitute reservation plan, wherein
- 22 said reservation taking element accepts as reservation
- 23 the substitute reservation plan whose selection is accepted
- 24 by the second selection accepting element.
 - 1 5. A service reservation system according to claim 1, further
 - 2 comprising:

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- a substitute reservation preparation element adapted
- 4 to prepare, when the acceptance of the reservation in the
- 5 reservation booking request is allowed by the reservation taking
- 6 element, at least one substitute reservation plan which is
- 7 obtained by at least partially altering the contents of
- 8 reservation in the reservation booking request accepted by the
- 9 first acceptance element, in such a manner that a general
- 10 resource utilization efficiency increases in accordance with

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- 11 the contents of the reservation and a load level of resources
- 12 used for the supplying of the object services relative to the
- 13 reservation booking request, said load level being determined
- 14 by the reservation condition management element;
- 15 a substitute reservation plan presentation element
- adapted to present said at least one substitute reservation 16
- 17 plan which is prepared by the substitute reservation plan
- 18 preparation element, to the users; and
- a second acceptance element adapted to accept the user's 19
- selection of the substitute reservation plan or the reservation 20
- 21allowed by the reservation taking element; wherein
- 22 said reservation taking element accepts the substitute
- 23 reservation plan as reservation when its selection is accepted
- 24 by the second acceptance element; and said reservation taking
- 25 element accepts when its selection is accepted by the second
- 26 acceptance element.
 - 1 6. A service supplying system adapted to supply services by
 - 2 using resources, comprising the service reservation system
 - 3 defined in claim 1, wherein said resources supplying services
- in accordance with the reservation accepted by the service 4
- 5 reservation system.
- 1 7. A service supplying system according to claim 6, wherein:
- 2 said resources include a transmission and exchange

- 3 network adapted to supply transmission and exchange service
- 4 to the users, and a data processing unit adapted to supply the
- 5 users with information processing and accumulating services
- 6 via said transmission and exchange network.
- 1 8. A service reservation taking method for receiving from users
- 2 the reservation for utilizing services supplied by using
- 3 resources, comprising:
- 4 a first step of accepting service reservation booking
- 5 requests from the users
- a second step of determining a degree of importance of
- 7 the accepted service booking requests in accordance with
- 8 preset specifications; and
- a third step of , when a load level, which is determined
- 10 depending upon the reservation condition, of resources used
- 11 for supplying object services relative to the service booking
- 12 requests is higher than a predetermined level, denying the
- 13 acceptance of the service booking requests if the degree of
- 14 importance of the service booking requests is lower than a
- 15 predetermined importance degree determined by a predetermined
- 16 standard, and permitting the acceptance of the service booking
- 17 requests if the degree of importance of the service booking
- 18 requests is not lower than the predetermined importance degree.
 - 1 9. A service reservation taking method for receiving from users

2 the reservation for utilizing services supplied by	y using
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3 resources, comprising:

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- a first step of accepting service reservation booking 4
- б requests from the users;
- 6 a second step of preparing at least one substitute
- 7 reservation plan which is obtained by at least partially altering
- the contents of reservation in the accepted reservation booking 8
- requests, in such a manner that a general resources utilization 9
- efficiency increases in accordance with the contents of the 10
- reservation and a load level of resources used for supplying 11
- of the object services relative to the reservation condition; 12
- a third step of presenting said at least one substitute 13
- reservation plan to the users; 14
- a fourth step of accepting the user's selection of said 15
- 16 at least one substitute reservation plan; and
- a fifth step off adcepting as reservation the substitute 17
- reservation plan selected by the users. 18
- A recording medium storing therein a program read and 1 10.
- executed by an electronic computer, 2
- said program comprhsing a program for constituting on 3
- the electronic computer a service reservation system adapted 4
- to accept from users reservation for the utilization of services 5
- supplied by using resources, 6
- said service reservation system including: 7

an importance degree determining element adapted to

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8		a re	eservation	i cond	ition m	ana	gement ele	eme	nt adapted	tc
9	manage	the	accepted	reser	vation	of	services	as	reservation	'n
10	conditi	lons	;		1					

a first acceptance adapted to accept service booking requests from users;

determine in accordance with preset specifications a degree of importance of the service booking requests accepted by the first acceptance element; and a reservation taking element adapted to, when a load level, which is determined depending upon the reservation condition managed by the reservation condition management element, of resources used for supplying object services relative to the service booking requests accepted by the first acceptance element is higher than a predetermined level, deny the acceptance of the service booking requests if the degree of importance of the service booking requests determined by the importance degree determining element is lower than a predetermined importance degree determined by a predetermined standard and permit the acceptance of the dervice booking requests if the degree of importance of the service booking requests determined by the importance degree determining element is not lower than the predetermined importance degree.

1	11.	A reco	ording	med1um	storing	therein	a	program	read	and
2	execu	ted by	an el	ectronic	comput	er,				

said program comprising a program for constituting on the electronic computer a service reservation system adapted to accept from users reservation for the utilization of services supplied by using resources,

said service reservation system including:

a reservation condition management element adapted to manage accepted reservations of services as reservation condition;

a first acceptance element adapted to accept service booking requests from users,

a substitute reservation plan preparation element adapted to prepare at least one substitute reservation plan which is obtained by at least partially altering the contents of reservation in the reservation booking requests accepted by the first acceptance element, in such a manner that a general resources utilization efficiency increases in accordance with the contents of the reservation and a load level of resources used for supplying of the object services relative to the reservation booking requests, said load level being determined by the reservation condition managed by the reservation condition managed by the reservation

a substitute reservation plan presentation element

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adapted to present sa	ald at least one substitute reservation
plan which is prepare	ed by the substitute reservation plan
preparation element,	to the users;

a second acceptance element adapted to accept the user's selection of said at least one substitute reservation plan; and

a reservation element adapted to accept as reservation the substitute reservation plan whose selection is accepted by the second acceptance element.